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Notice of Allowability	Application No.	Applicant(s)	
	10/051,362	WONG, CHIO FAI	
	Examiner	Art Unit	
	Sandra M. Nolan-Rayford	1772	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the 30 March 2005 reply.
2. ☒ The allowed claim(s) is/are 5-9, 13-15 and 17.
3. ☒ The drawings filed on 16 December 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>First page of 3-30-05 Reply</u> . |

S. M. Nolan-Rayford
SANDRA NOLAN RAYFORD
PRIMARY EXAMINER

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Burdett (202/344.4893) on 14 April 2005.
3. The application has been amended as follows:

In the Title

The title now reads: METHOD OF MAKING CRYSTALLIZED BOTTLENECKS.

In the Abstract

In lines 1-2 of the abstract, the first sentence of the abstract amended to read:

-- A method for making a crystallized bottleneck of a polyester beer bottle is provided. --

Remarks

The new title is shorter. The change in the abstract was suggested by the examiner's supervisor.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:
5. Claims 5-9, 13-15 and 17 are allowed.
6. The base claims can be summarized as follows:

Claim 5 covers a method for making a crystallized bottleneck of a polyester beer bottle, which method comprises the following steps:

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- forming a blank of polyester material through drying,
- ejecting the polyester material and shaping it, through cooling, to form an uncrystallized bottle blank,
- placing the uncrystallized blank for 24 to 72 hours in an air-conditioned environment,
- preheating a crystallizer for two hours or more before crystallizing the blank,
- loading a bunker with the uncrystallized blank,
- delivering it to a blank horse's head via a conveyor belt,
- sending a bottleneck portion of the uncrystallized blank into the crystallizer to heat at a high temperature and crystallize the bottleneck portion via an arbor transmission chain,
- simultaneously, controlling the temperature of the uncrystallized portion of the blank body to that the uncrystallized portion of the body is not affected by the high temperature in the crystallizer,
- discharging the bottle blank through an output blank horse's head, and
- delivering the blank to another conveyor belt to cool and shape the blank.

Claim 17 covers a method for making a crystallized bottleneck of a polyester beer bottle, which method comprises the following steps:

- forming a blank of polyester material through drying,
- ejecting the polyester material and shaping it, through cooling, to form an uncrystallized bottle blank,
- placing the uncrystallized blank for 24 to 72 hours in an air-conditioned environment,
- preheating a crystallizer for two hours or more before crystallizing the blank,
- loading a bunker with the uncrystallized blank,
- delivering it to a blank horse's head via a conveyor belt,
- sending a bottleneck portion of the uncrystallized blank into the crystallizer to heat at a high temperature and crystallize the bottleneck portion via an arbor transmission chain,
- simultaneously, while the bottle is crystallized in the crystallizer, controlling the temperature of the uncrystallized portion of the blank body to that the uncrystallized portion of the body is not affected by the high temperature in the crystallizer,
- discharging the bottle blank through an output blank horse's head, and
- delivering the blank to another conveyor belt to cool and shape the blank.

7. The prior art of record fails to teach or suggest methods for crystallizing the necks of polyester beer bottles that have all of the features of claims 5 or all of the features of claim 17.

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8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication should be addressed to Sandra M. Nolan-Rayford, at telephone number 571/272-1495. She can be reached Monday through Thursday, from 6:30 am to 4:00 pm, ET.

If attempts to reach the examiner are unsuccessful, contact her supervisor, Harold Pyon, at 571/272-1498.

The fax number for patent application documents is 703/872-9306.

S.M. Nolan-Rayford
S. M. Nolan-Rayford
Primary Examiner
Technology Center 1700

10051362(Rev200504014)

**SANDRA NOLAN RAYFORD
PRIMARY EXAMINER**